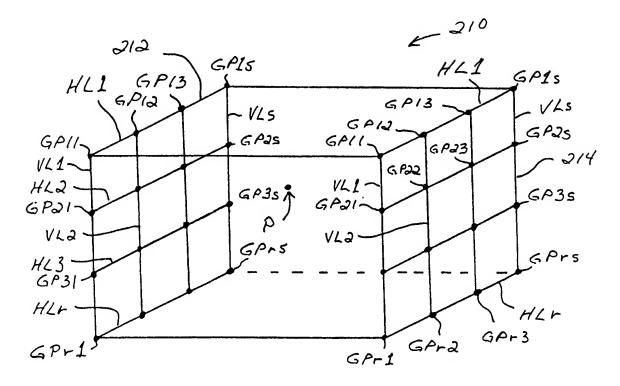
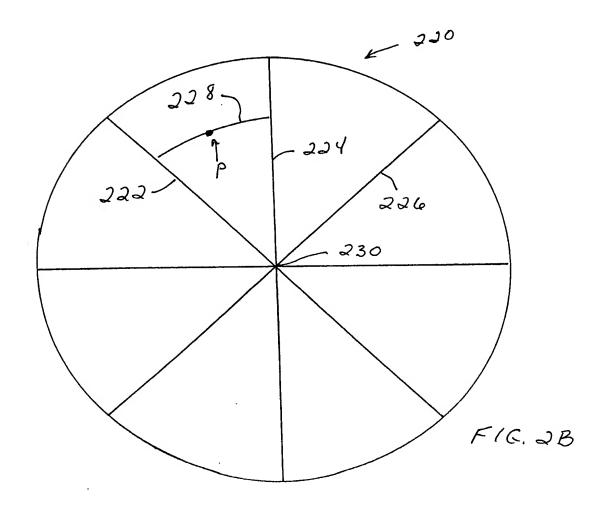


F16. 1



F16.2A



310 DEFINE THE INITIAL LOCATIONS OF NUMBER OF IST ELEMENTS IN THE REGION OF 3D SPACE 3/2 DETERMINE A 3 D VECTOR, DENSITY VALUE, AND TEMPERATURE VALUE FOR EACH IST ELEMENT BASED ON THE INITIAL COCATIONS OF THE 1 ST ELEMENTS IN 30 SPACE 314 SAVE THE INITIAL LOCATIONS, 30 VECTORS, DENSITY VALUES, AND TEMPERATURE VALUES OF EACH OF THE 1ST EVENENTS IN A FIRST ELEMENT DATA SET 314 MOVE THE LOCATIONS OF THE IST ELEMENTS TO NEW LOCATIONS BASED ON THE 3D VECTORS AND THE TIME STEP 318 DETERMINE A NEXT 3D VECTOR, DENSITY VALUE, AND TEMPERATURE VALUE FOR EACH IST ÉLEMENT BASED ON THE NEW LOCATIONS OF THE 1ST ELEMENTS IN 3D SPACE 320 DEFINE THE INITIAL LOCATIONS OF A NUMBER OF 2nd ELEMENTS IN THE REGION OF 3D SPACE _ 322 DETERMINE A 3D VECTOR, DENSITY VALUE, AND TEMPERATURE VALUE FOR EACH 2ND ELEMENT BASED ON THE INITIAL LOCATIONS OF THE 24 ELEMENTS IN 30 SPACE SAVE THE NEW LOCATION OF EACH IST ELEMENT THE 3D VECTOR DENSITY VALUE, AND TEMPERATURE VALUE OF EACH IST ELEMENT ATTHE NEW LOCATION, THE INITIAL LOCATIONS OF THE 2nd ELEMENTS, AND THE 3D VECTOR, DENSITY VALUE, AND TENVERATURE VALUE FOR EACH 2nd ELENEUT

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IDENTIFY POINTS ON THE 3D GRIDS THAT
LIE ON BOTH SIDES OF THE ELEMENT IN
THE REGION OF 3D SPACE

DETERMINE THE 3D VELOCITY VECTOR,
DENSITY VALUE, AND TEMPERATURE VALUE
AT THE POINTS AT AN INITIAL TIME STEP

INTERPOLATE BETWEEN THE VALUES OF
THE POINTS TO DETERMINE A 2D VELOCITY
VECTOR, A DENSITY VALUE, AND A
TEMPERATURE VALUE OF THE ELEMENT

JILL

FORM A 3D VECTOR FROM THE INTERPOLATED 2D VECTOR

F16. 4

UPDATE THE 30 VEROCITY VECTORS AND DENSITY VALUES IN EACH 20 GRID TO REFLECT THE 20 VELOCITY VECTORS AND DENSITY VALUES THAT EXIST AT THE NEXT TIME STEP -512 IDENTIFY POINTS ON THE 2D GRIDS THAT HE ON BOTH SIDES OF THE ELEMENT AT THE NEW LOCATION IN THE REGION OF 3D SPACE DETERMINE THE OD VELOCITY VECTOR, DENSITY VALUE, AND TEMPERATURE VALUE AT THE POINTS AT THE TIME STEP -516 INTERPOLATE BETWEEN THE VALUES OF THE POINTS TO DETERMINE A 2D VEROCITY VECTOR, A DENSITY VALUE, AND A TEMPÉRATURE VALUE OF THE ELEMENT -518 FORM A 30 VECTOR FROM THE INTERPOLATED OD VECTOR

F16.5

